ELSEVIER

Toxicology 132 (1999) 235–236

TOXICOLOGY

Contents of volume 132

Deltamethrin-induced testicular apoptosis in rats: the protective effect of nitric oxide synthase inhibitor
A role of nitric oxide in induction of apoptosis is postulated
M. El-Gohary, W.M. Awara, S. Nassar, S. Hawas (Egypt) 1–8

Trichloroethylene inhibits aldehyde dehydrogenase only for aliphatic aldehydes of short chains in rats
A possible mechanism to explain "degreaser's flush"
R.-S. Wang, T. Nakajima, T. Honma (Japan). 9–18

Pb^{2+} promotes lipid oxidation and alterations in membrane physical properties
Lead causes membrane phase separation
V.N. Adonaylo, P.I. Oteiza (Argentina) 19–32

Metallothionein does not protect mouse endocrine cells from damage induced by alloxan injection
An increase in pancreatic metallothionein was produced by zinc administration
T. Minami, M. Shimizu, H. Tanaka, Y. Okazaki, M.G. Cherian (Japan, Canada) 33–41

Effect of glucuronidation substrates/inhibitors on *N*-(3,5-dichlorophenyl)succinimidenephrotoxicity in Fischer 344 rats
Glucuronide conjugates may be the primary ultimate toxic species
S.K. Hong, D.K. Anestis, P.I. Brown, G.O. Rankin (USA). 43–55

Analysis of interleukin 12 protein production and mRNA expression in mice exposed topically to chemical allergens
IL-12 p40 protein production, but not IL-12 mRNA expression can be useful to differentiate contact sensitizers from respiratory allergens
E.V. Warbrick, R.J. Dearman, D.A. Basketter, I. Kimber (UK) 57–66

Persistent effect of in utero meso-2,3-dimercaptosuccinic acid (DMSA) on immune function and lead-induced immunotoxicity
In utero exposure to DMSA reverses some of lead-induced immune changes, but produces immunomodulating effects of its own
S. Chen, K.A. Golemboski, F.S. Sanders, R.R. Dietert (USA) 67–79

Announcement 81

Instructions to Authors 83–84

Review

Metallothionein in radiation exposure: its induction and protective role
A critical review of the available data
L. Cai, M. Satoh, C. Tohyama, M.G. Cherian (Canada, People's Republic of China, Japan) 85–98

In vitro screening of food peptides toxic for coeliac and other gluten-sensitive patients: a review
Agglutination of cultured K 562 cells detects toxic protein sequences
M. Silano, M. De Vincenzi (Italy) 99–110

A comparison of the efficacy of a new asymmetric bispyridinium oxime BI-6 with currently available oximes and H oximes against soman by in vitro and in vivo methods
BI-6 is less effective than H oximes but more than pralidoxime and others
J. Kassa, J. Cabal (Czech Republic) 111–118

Increase by NO synthase inhibitor of lead-induced release of *N*-acetyl-*β*-D-glucosaminidase from perfused rat kidney
Lead-induced enzymuria is enhanced by NO-synthase inhibition
A.R. Dehpour, M. Essalat, S. Ala, M. Ghazi-Khansari, P. Ghafourifar (Iran) 119–125
Nephrotoxic potential of *N*-(3,5-dichloro-4-fluorophenyl)succinimide in Fischer 344 rats: comparison with *N*-(3,4,5-trichlorophenyl)succinimide
Introduction of a fluoro group in the 4-position of the phenyl ring produces a non-toxic derivative
J.L. Hubbard, O. Noe II, M. Egermayer, S.K. Hong, D.K. Anestis, M.A. Valentovic, J.G. Ball, P.I. Brown, G.O. Rankin (USA) 127–137
Protection against chronic cadmium toxicity by glycine
Glycine appears to protect by reducing oxidative stress
Z.A. Shaikh, W. Tang (USA) 139–146
Kinetics of germanium dioxide in rats
The tissue distribution of acute and chronic germanium dioxide is described, highest values in neurons and kidney
C.-H. Lin, T.-J. Chen, Y.-L. Hsieh, S.-J. Jiang, S.-S. Chen (Taiwan, ROC) 147–153
Characteristics of nitrogen metabolism in rats with thioacetamide-induced liver cirrhosis
Changes in amino acid metabolism in thioacetamide treated rats closely resemble those found in human liver cirrhosis
S. Masumi, M. Moriyama, Y. Kannan, M. Ohta, O. Koshitani, O. Sawamoto, S. Toyoshima, K. Ishikawa, M. Miyoshi, T. Sugano (Japan) 155–166
Inorganic mercury pre-exposures protect against methyl mercury toxicity in NSC-34 (neuron × spinal cord hybrid) cells
Metallothionein and glutathione may play a protective role in methyl mercury neurotoxicity
L.A. Chapman, H.M. Chan (Canada) 167–178
Oxidative stress in testes of rats subjected to chronic iron intoxication and *α*-tocopherol supplementation
Oxidative changes in testes caused by iron overload can be prevented by *α*-tocopherol
F. Lucesoli, C.G. Fraga (Argentina) 179–186
QT prolongation and torsades de pointes induced by an antifungal agent, D0870, in conscious dogs
An explanation for the sudden deaths observed in dogs given the drug
T. Matsunaga, T. Harada, T. Harada, M. Inokuma, T. Mitsui, P.A. Duffy, A. Aldridge, Y. Shibutani (Japan, UK) 187–199
Mechanism of hepatorenal syndrome in rats of Long–Evans Cinnamon strain, an animal model of fulminant Wilson's disease
Plasma copper-metallothionein seems to cause dysfunction of the brush border in renal proximal tubules
K. Nomiyama, H. Nomiyama, N. Kameda, A. Tsuji, H. Sakurai (Japan) 201–214
Treatment with aged garlic extract protects against bromobenzene toxicity to precision cut rat liver slices
In vivo treatment confers ex vivo cellular resistance
B.H. Wang, K.A. Zuzel, K. Rahman, D. Billington (UK). 215–225

Announcement 227

Author index of volume 132 229

Subject index of volume 132 231–234

Contents of volume 132 235–236